

# Low Sodium Cleavage Product

## Abstract

Washed cleavage product (WCP) in a phenol manufacturing process is treated to remove sodium ions. The WCP is contacted with a cation exchange resin in hydrogen form, and then with anion exchange resin in free base or hydroxide form, to produce a WCP essentially free of sodium ions. The cation and anion exchange resins are regenerated with acid and caustic, respectively. The treatment improves productivity and product quality of new and existing phenol processes.